

capacitor, a single inverter, and a single biasing circuit is shown, described, or suggested (Iida -- Fig. 3). In fact, Iida specifically teaches away from replicating the circuit and a double-ended output, since the purpose of Iida is to "provide a level shift circuit which requires a reduced number of circuit elements" compared to that of the prior art circuit of Fig. 1 which has a double-ended output, but absent a biasing circuit and capacitor at each output (Iida -- col. 1, lines 54-56, emphasis added; Figs. 1 and 3 in comparison). Moreover, Iida explicitly states that "it is noted here that the level shift circuit is made up of only capacitor 19, CMOS inverter 20, and the bias circuit or resistor R5" (Iida -- col. 4, lines 18-21, emphasis added). Iida continues by noting the level shifter of Fig. 3, when compared to that shown in Fig. 1, requires less number of circuit elements -- the primary goal of Iida (Iida -- col. 4, lines 22-25).

Accordingly, Applicants do not believe that Iida somehow implicitly suggests two inverters, two capacitors, and two biasing circuits, and simply omits to illustrate such items as suggested by the Examiner. Instead, Iida specifically requires only one of each item in an effort to reduce the number of circuit elements, and also to reduce the current dissipation in its level shifter apparatus. Therefore, one skilled in the art when looking to Iida would not be motivated to increase the circuit elements and the current dissipation by applying a double-ended output if only a single-ended output is suitable and necessitated by the teachings of Iida.

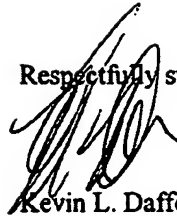
For at least the reasons stated above, Applicants believe independent claim 11 and claims dependent therefrom are patentably distinct over the cited art. Accordingly, removal of this rejection is respectfully requested.

CONCLUSION

The present amendment and response is believed to be a complete response to the issues raised in the Office Action mailed May 23, 2005. In view of the remarks herein traversing the rejections, Applicants assert that pending claims 1, 4, 6, 14, and 18 are in condition for allowance. If the Examiner has any questions, comments, or suggestions, the undersigned attorney earnestly requests a telephone conference.

No fees are required for filing this amendment; however, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment, to Daffer McDaniel, LLP Deposit Account No. 50-3268/5298-13101.

Respectfully submitted,



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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
10-798,657

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)
BASIC FEE (37 CFR 1.16(a), (u), or (c))							
SEARCH FEE (37 CFR 1.16(k), (l), or (m))							
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))							
TOTAL CLAIMS (37 CFR 1.16(i))							
INDEPENDENT CLAIMS (37 CFR 1.16(h))							
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2							
			TOTAL			TOTAL	

APPLICATION AS AMENDED - PART II

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(i))		Minus	**					
Independent (37 CFR 1.16(h))		Minus	***					
Application Size Fee (37 CFR 1.16(s))								
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL			TOTAL	
				ADDITIONAL FEE			ADDITIONAL FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(i))	17	Minus	20					
Independent (37 CFR 1.16(h))	3	Minus	3					
Application Size Fee (37 CFR 1.16(s))								
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL			TOTAL	
				ADDITIONAL FEE			ADDITIONAL FEE	

- * If the entry in column 1 is less than the entry in column 2, enter 0 in column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 2, enter 0.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter 0.

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate column of amendment A.

This collection of information is required by 37 CFR 1.16. The information is required to be submitted by the applicant (or the applicant's attorney) to the USPTO in process of an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.101. The fee schedule is estimated to take 15 minutes to complete, including gathering, preparing, and submitting the completed application fee to the USPTO. The fee schedule is subject to change without notice. For comments on the amount of time you require to complete this form and suggest improvements, please contact the USPTO at the following address: U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. 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